		MANAGE TO A STATE OF THE STATE	Compliance				
		Andrew Control of the	RT I. OWNER/OPE				
1. Facility Name:						farketer: X N	ion-Marketer:
2. Owner: Egg	en's Direct Servi	ces	orano mente por escolar com miscolar de consciona de mante esta de mante de la compansión de la compansión de m		/Departure (Time	And the second s	
3. Operator:				9. Facility Add	dress: 104 Ma	in St. Wahkon, N	1N. 56386
5. Contact Person	60 delegazione (0.00 delegazio	eppende geloog de projekten de projekten de sterne de sterne de	makes min part (A)				
6. UST Site Phon	e #:	NOCESSARIO SENSO E ESCUENTE A COMPANSO E ENCONO ES ES ENCONO ES ENCON	######################################	10: Team Men	nbers:		
			PART II. UST SI	TE INFORMATIO	N		
1. Tank #:	1	2	3	4	5	6	
2. Tank Type:	STIP3	And the second s			жоможныеморому распублика на		45000000000000000000000000000000000000
3. Piping Type:	Steel		All and a second		AMERICAN CONTRACTOR CO	ADDRIBUTION OF THE PROPERTY OF	Washington and contract of the
4. Size of Tank:	6k	4k	4k	, all-anciente Annie and black de Mallet (propriede de propriede propriede propriede participation de l'action	, and the control of		
5. Tank Contents:	R	PR	R	ARTOLOGIC SERVICE SERV	. Aleks TANKS STENAN EN PROTESTEN AND PROTESTEN AND PROTESTEN AND AND AND AND AND AND AND AND AND AN		AMOREO CONTRACTOR CONT
6. Install Date:				delvillamonamon manifesta managan proprieto proprieto per la constanta del constanta d	and the contract of the contra		
7. TTT Date:	ATG-	Auto stick	Jr.	ZINIU CIANIZZONI, ZESTĄCO PO JAPO CE CO CIENTINI INTERNACIONI INTERNAC	- COSCOCIA MANAGO SANTINGO CON CONTRACTO CONTR	Destaconsumentation of the destatement of the second of th	
8. LTT Date:	Incon	TS-IS3000	6/9/15	Vaccine and desired services reconstruction and the analysis of the services and the services are the services and the services are the services and the services are the services and the services and the services are the services and the services and the services and the services and the servic	waterpages and proposed the second of the se		
9: LD (Tank):	6/9/15			- delaction and an analysis and an analysis are an analysis and a second a second and a second a		Vacanting and the second secon	ole contracted each contract and an analysis of the contract a
10: LD (Pipe):	Manufacture and the state of th	***************************************	APPENDAGO AND	M0000000000000000000000000000000000000	**************************************	mono tamining and a second and a second a	margining morning and a second a
11. Closure Date:					ARREST AND THE CONTRACT		
	PermTemp	PermTemp	PermTemp	PermTemp	PermTemp	PermTemp	Perm_Temp
12. Spill:	Yes x No	Yes No	YesNo	Yes_ No	Yes_No	Yes No	Yes_No
13. Overfill: Type:	Yes x No	Yes_No_	Yes No	YesNo	Yes_No	Yes_No_	YesNo
14. CP (Tank): Date:	Yes_No_	Yes_No_	Yes_No_	Yes_No_	Yes_No_	Yes_No_	Yes_No
Туре:	Alarm	Alarm	Alarm		(A) AND		
15. CP (Piping): Date: Type:	Yes No 9/14/12 Pass	Yes_No_	Yes_No_	Yes No	Yes No	Yes No	Yes_No
16. CP Monitoring 6 Mo./3 Yrs: Note: Monitorin Six Months:	Yes No_	Yes No No	Na.	Yes No_ er initial monitoring.	Yes No [280,31(b)(1)]	Yes No_	Yes No
Note: Monitorir Records:	ng conducted within s	ix month of any repa	irs to UST system. [2 Yes No	280.33(e)]		Yes No	Yes No
	Yes No	Yes No	Yes No and recording system	Yes No s voltage and ampera	Yes No	Yes No	Yes No
Records:	Yes No	Yes No		Yes No		Yes No	Yes No

(10/29/2015)

UST Compliance Ass	
PART III. RECOMMENDATION(S) & NARRATIVE COMMENTS
1. Facility to provide info. on compliance: Yes No X Notes:	2. Follow-up visit recommended Yes No X Notes:
3. Financial Responsibility (FR): Yes X No Expiration Date: 4. Inspector's Remarks: ATG Test- Tank needs to be at 50% full when) testing
4, Inspector's remarks. 111G Test-Tunk needs to be de 50% tunk when	
Need more info on auto stick Jr. does it work with the siphon manifole Restaino)	ld? Check certification. (See attached e-mail from Mark
Line leak- Had 12 months of visual inspections.	
Func. Test- 6/9/15	
5. Additional Remarks/Comments:	
Operator training certification- Lori Nieson Class A/B	
Had 8 months of monthly inspections of Tank sump, dispensers, and s	spill bucket.
Received updated CP test on 9/9/15. Passed. Good until 8/20/18	
Inspector Signature D	La la companya di Amerika di Amer Date



t-u5-05 • 3/21/12

520 Lafayette Road North St. Paul, MN 55155-4194

UST Cathodic Protection System Evaluation Galvanic (Sacrificial Anode) Type

Underground Storage Tanks (UST) Program

Doc Type: Compliance Certification

e Inco	eports must be submitted regardless of res	ults (pass, fail,	or inconclusive)
	anaigned, or megible forms will not	be accepted an	id will be returned.
1. UST facili	A Or Originally.	_ 2. UST own	er/operator
	berning Star Market	Name:	A STATE OF THE STA
Address:/	04 North Majostreet	Address:	
City: Wat	Kon MN Zip code: 56380	City:	
County: [V]]	Lacs. Phone:	Zip code:	
Contact name (if	different than above):	different and a second	Phone:
Cabadia			_ Contact phone:
. Cathodic	Protection (CP) tester information and	qualifications	
aster name (pri	nt):Jim_Pomrenke	Company name:	Bennett Petroleum Service, Inc.
ddress: P.	O. Box 727, 1300 29th Ave. NE		City: Sauk Rapids
tate: MN	Zip code: <u>56379</u> Phone: 320	-252 <u>-</u> 6816	
Billional Associat	ion of Carresian		E-mail: bennettpetroleumservice@cloudn
igineers (NACE) International certification #:	Steel	Tank Institute (STI) certification #:CP 816-13
Reason er	rvey was conducted (check only one)		
Mo	was conducted (check only one)	Samuel State	the first the second control of the second o
A Rounne - 3	years U Routine - within 6 months of install Q 30) day re-survey afte	er fail Re-survey within 6 months of repair/modification
Date next CP	survey must be conducted by (mm/dd/yyyy): 8/20	42/8 (Requ	ired within 6 months of Install or repair, and every 3 years thereafter.)
CP testar	auniuntian (alaas		a repair, and decry 3 years the realiter,
M Dags All	evaluation (check only one)		
MONTH OF THE			and the state of the
	, ,	. w. I warmed & month in 1742.	ity survey indicates all protected structures are isolated. It is e sections 7 and 8).
Fail On	e or more protected structures at this facility fail the stem, (Complete sections 7 and 8).	CP survey, and it is	s judged that adequate CP has not been provided to the UST
Fail On	e or more protected structures at this facility fail the stem. (Complete sections 7 and 8). The remote and the local do not both indicate the	CP survey, and it i	s judged that adequate CP has not been provided to the UST
Fail On	e or more protected structures at this facility fail the stem. (Complete sections 7 and 8). The remote and the local do not both indicate the continuity survey indicates continuous or income.	CP survey, and it is	s judged that adequate CP has not been provided to the UST on all protected structures (both pass or both fail),or the
Fail On sys	e or more protected structures at this facility fail the stem. (Complete sections 7 and 8). The remote and the local do not both indicate the continuity survey indicates continuous or inconcevaluated by a corresion expert (Corresion Exp.	CP survey, and it is	s judged that adequate CP has not been provided to the UST on all protected structures (both pass or both fail),or the
□ Fail On sys	e or more protected structures at this facility fail the stem. (Complete sections 7 and 8). The remote and the local do not both indicate the continuity survey indicates continuous or inconcevaluated by a corresion expert (Corresion Exp.	CP survey, and it is not same test result dusive results when art to complete se	on all protected structures (both pass or both fail),or the n compared to non-protected structures, the survey must be ction 6).
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Page 1 of 5

acility name: Morning Star Market (Note: The facility-hame and date of test will automatically o	
(Note: The facility name and date of test will automatically p	Date of test (mm/dd/yyyy): 8/20/20/
Action required as a result of this evaluation (check only	
None CP is adequate. No further action is necessary at it	nis time. Test again by no later than (see Section 4).
all protected structures are isolated from non-prote	determine if passing results can be achieved. (Retests may occur or
Repair & Retest CP is not adequate, Repair/modification is necessar	ry within the next 60 days, or permanently close the tank system.
CP system repairs and/or modification information	
Date of "failing" test: Date of repair: (mm/dd/yyyy) (mm/dd/yyyy)	Repair company:
Name of lead repair technician;	Phone #
Certification of repair technician (check all that apply):	
Note: submit failing test results with this report if not already submitted.	The Control Supervisor
Description of Repairs (check all that apply)	
1. Supplemental anodes for a sti-P, tank.	Panaire Imadifications to 4.5 D
Supplemental anodes for metallic pipe which is factory coated with dielectire material (fusion bonded epoxy or equivilent).	Repairs /modifications for 1 & 2 must be designed by a "corrosion expert" or installed per industry standards. Attach corrosion expendesign, or documentation industry standard was followed. (Section must be signed if designed by a corrosion expert.)
 ☐ 3. Supplemental anodes for a non-sti-P₃^e tank, (e.g., bare steel). ☐ 4. Supplimental anodes for metallic pipe which is non-factory coated. 	Repairs/modifications for 3 & 4 and must be designed and evaluate by a corrosion expert only. Attach a corrosion experts design.
with dielectirc material (e.g., galvanized, copper, bare steel, etc.).	(Section 6 must be signed.)
5. Isolation of Galvanically protected tanks/piping. (explain in *remarks	/other below).
6. Isolation of non-protected metal pipe segments (e.g., flex connector	s) at STP or dispenser curps (smile) is "smeath-left at the
. Galvanic (sacrificial anode) structure to soil potential ar	nd continuity survey
Half Cell Placement (testing) on frozen soil, concrete, asphalt,	or other paving materials is not acceptable.
Structure to Soil Potentials:	
least one must be placed in soil approximately 25 to 1 location is at the discretion of the tester (either local of	r remote)
 When testing flex connectors only, two tests points remote. 	are required for each flex connector, one local and one
 Both the local and the remote voltage must meet one structure to pass, Inconclusive must be indicated whe do not result in the same outcome (both pass or both 	O both the local and the remote structure to soil actemble.
 If the "-850 mV Off" or the "100 mV Polarization" crite potential readings on the MPCA Impressed Current d 	ria is used for galvanic systems, record etructure to call
Continuity Testing: (Point-to-Point and/or Fixed Cell-Mov	ing Ground)
 Point-to-Point: When conducting this method, the lead 	
DPIDO PYRMINOS TO COMPRETENTA INCIDIAL AND AND ALLER LE	is of the volt meter are required to contact the two structures
location approximately 25 to 100 feet away and left un	ts of the volt meter are required to contact the two structures. A half cell is not used for this test method. hod, the half cell must be placed in the soil at a remote.
location approximately 25 to 100 feet away and left un structures being evaluated.	its of the volt meter are required to contact the two structures. A half cell is not used for this test method. hod, the half cell must be placed in the soil at a remote disturbed. The other lead of the meter is moved to
 Fixed Cell-Moving Ground: When conducting this met location approximately 25 to 100 feet away and left un structures being evaluated. To interpret continuity data for either method compare use the following guidelines: 1 mV or less = continuouse for galvanic systems, the structure that is to be proteen. 	ts of the volt meter are required to contact the two structures. A half cell is not used for this test method. hod, the half cell must be placed in the soil at a monete.
 Fixed Cell-Moving Ground: When conducting this met location approximately 25 to 100 feet away and left un structures being evaluated. To interpret continuity data for either method compare use the following guidelines: 1 mV or less = continuouse the following systems, the structure that is to be protected structure in order to "pass" the continuity survey. 	is of the volt meter are required to contact the two structures. A half cell is not used for this test method. hod, the half cell must be placed in the soil at a remote disturbed. The other lead of the meter is moved to the difference in voltage of the structures evaluated and s. 1-10 mV= inconclusive, greater than 10 mV= inconclusive.

www.pca.state.mn.us • 651-296-6300

t-u5-05 • 3/21/12

800-657-3864

TTY 651-282-5332 or 800-657-3864 • Available in alternative formats

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Des	scribe soi	I type and location(s) of rem	ote reference cell ni:	cementiel /e	n Black Di-	1 30 600 180	of Tool- #4	
Rer	mote locati	on #1:			y., DIOW DII	r, so leet laaa	or rank#1	spill bucket):
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	Half cell	Structure to soil potentia	Market of test will automaticall ls (mV)	I have been a		inuity testing		
	site map	Half cell placement description	"ON" Voltage	Structure		Point-to- point	Fixed cell remote	Isolated/ Continuous/
1	1	Unload ATG	-16400U	ATG CON	OCO	voltage 40.20	voltage	Inconclusive
1	2	Unlead 2 ATG	-1545 mV	-A.V.(3)	<u> </u>	1030ml		150/01E
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			pentials and continuity):	Pass	☐ Fail	☐ Inconclus	sive	
				☐ Pass	☐ Fall	☐ Inconclus	sive	
				Pass	☐ Fail	☐ Inconclus	sive	
	Overall S	tructure Results (Structure to soil pol		☐ Pass	☐ Fall	☐ Inconclus	sive	
	Overall S			☐ Pass	☐ Fall	☐ Inconclus	sive	

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11. Description of UST system

Tank/ Pipe#	Product	Capacity Tank typ (Gallons)		Piping type ²	Metal Segments at Tank sump ³	Metal Segments at Dispenser ³	
1_	Uplead/Primium	600/40x	STIPS SW	steel/ano	26		
2	Valenda	4000	ST.PS SW	steel/anod			
3	suction un) 1-2		coatal	steel/andes	-		
	Suther prem 1-2		1.1	stall godes		o proe so unka	
5	STP unl 3-4		coated	stull andes		steel withanoles	
6	STP orem 3-4			steel/ gnodes		SINCI WILLIAMONES	
Ex:	Premilim	10,000	SW sti-P3®,	DW Fiberglass	CP w/ anodes	In Containment	

- Indicate if tank is Double Wall (DW) or Single Wall (SW). Also indicated type (e.g., steel, fiberglass, sti-P₃°, composite etc.). Also indicate if tank is compartmental if applicable
- indicate if piping is Double Wall (DW) or Single Wall (SW). Also indicate type (e.g., coated steel, fiberglass, galvanized, flex, etc.).
- indicate how metal segments such as flex connectors or metal pipe segments are protected from corrosion (e.g., isolated, booted, bonded, CP w/anodes, in containment, etc.)

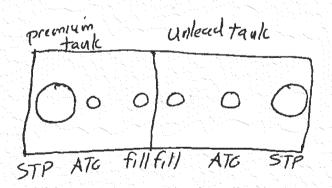
12. UST facility site drawing

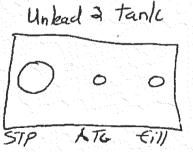
Attach detailed drawing or use the space provided to draw a sketch of the UST and CP systems. At a minimum you should indicate the following: All tanks, piping and dispensers; Location of anodes if known; All buildings and streets; Location of CP test stations; Each reference cell placement (local and remote) must be indicated by a code (e.g., 1,2, T-1,) corresponding with the appropriate test in Section 10 of this form. If supplemental anodes are added to the tank system, indicate number, size, location and depth of the new anodes. An evaluation of the CP system is not complete without an acceptable site drawing.



[Indicate North Here]

7 est points 1) Unlead ATG soil 2) Unlead 2 ATG soil 3) Remote-grass area
30 ft east





Ryan Rupp

From: Restaino, Mark <restaino.mark@epa.gov>
Sent: Wednesday, September 09, 2015 11:16 AM

To: Rich Mycue

Cc: Andy Boyd; Ryan Rupp
Subject: RE: Morning Star Market
Attachments: AutoStik 3rd Party Certs..pdf

Rich,

Thanks for the information. From the information you provided it appears that the two unleaded tanks are manifolded. During the recent cathodic protection test the contractor indicated that the siphon bar was tested.

The next item that we need to follow-up on is the Automatic Tank Gauge (ATG). Attached is a copy of the 3rd party evaluations for the AutoStik ATGs which can be found on the National Work Group on Leak Detection Evaluations' website (http://www.nwglde.org/). The 3rd party evaluation is what we require to ensure that the ATG can meet the leak detection requirements. There were 5 different evaluations done for the AutoStick ATGs, based on the types of probes and programs available. The information available on the website indicates that only one type of AutoStick was evaluated on manifolded tank. This applies only to AutoStik II and AutoStik Jr., with SCALD 2.0, sold on or after March 1, 2004. From the information I saw the AutoStick at Morning Star Market does not use SCALD. In order to meet the federal leak detection requirements using the AutoStick at the Morning Star Market the siphon must be broken first. I do not believe this is being done.

From what I can tell current ATG does not meet the leak detection requirements for the unleaded system. There may be more information available, which I am not aware. If that is the case I would be glad to review it. Otherwise, the ATG should be updated, if it can be, or replaced.

If there are any questions please let me know.

MARK RESTAINO
Underground Storage Tanks Section
Land and Chemicals Division
U.S. EPA Region 5
77 W. Jackson Blvd. (LR-8J)
Chicago, IL 60604

Phone: (312) 886-0394 Fax: (312) 582-5872

From: Rich Mycue [mailto:rmycue@dmoilmn.com]
Sent: Friday, September 04, 2015 10:54 AM

To: Restaino, Mark

Subject: Morning Star Market

Mark;

Attached is the test results for Morning Star Market;

The tanks and lines including the syphon pipe between the tanks; also the ATG is set to test the tanks at 51 %; I believe that is what we needed to cover;

Anything else please call me?

I wasn't able send this email to either Andy or Ryan their address kept getting kicked back;

Thank You

Rich Mycue

D&M Oil Co.- Eggens Direct Service; P.O. Box 115

Milaca, Mn. 56353

Office: 877-983-3761
Direct: 320-983-2057
Fax: 320-983-3083
Cell: 612-390-6592

Email: rmycue@dmoilmn.com

From: DM Oil Scanner [mailto:eggensscan@dmoilmn.com]

Sent: Friday, September 04, 2015 5:31 AM

To: Rich Mycue

Subject:

Issue Date: April 6, 2010

Franklin Fueling Systems (originally evaluated under EBW, Inc.)

AutoStik (Magnetostrictive Probe)

AUTOMATIC TANK GAUGING METHOD

As of April 1, 2009, Franklin Fueling systems no longer manufactures this method.

Certification Leak rate of 0.2 gph with PD = 99.96% and PFA = 0.44%.

Leak rate of 0.1 gph with PD = 95.34% and PFA = 4.66%.

Leak Threshold 0.1 gph for leak rate of 0.2 gph.

eshold 0.05 gph for leak rate of 0.1 gph.

A tank system should not be declared tight if the test result indicates a loss or gain that equals or exceeds this threshold.

Applicability

Gasoline, diesel, aviation fuel, fuel oil #4.

Tank Capacity

Maximum of 15,000 gallons.

Tank must be between 50 and 95% full.

Waiting Time

Minimum of 2 hours between delivery and testing for leak of 0.2 gph.
Minimum of 8 hours between delivery and testing for leak of 0.1 gph.
Minimum of 2 hours between dispensing and testing for leak of 0.2 gph.
Minimum of 8 hours between dispensing and testing for leak of 0.1 gph.
There must be no delivery during waiting time for leak of 0.2 gph.

There must be no dispensing or delivery during waiting time for leak of 0.1 gph.

Test Period

Minimum of 4 hours.

Test data are acquired and recorded by system's computer. Leak rate is calculated from average of subsets of all data collected.

There must be no dispensing or delivery during test.

Temperature

Average for product is determined by a single thermistor RTD.

Water Sensor

Must be used to detect water ingress.

Minimum detectable water level in the tank is 0.91 inch. Minimum detectable water level change is 0.025 inch.

Calibration

Thermistors and probe must be checked and, if necessary, calibrated in accordance with manufacturer's instructions.

Comments

Not evaluated using manifolded tank systems. Therefore, this certification is only applicable when there is a probe used in each

tank and the siphon is broken during testing. Tests only portion of tank containing product.

As product level is lowered, leak rate in a leaking tank decreases (due to lower head pressure).

Consistent testing at low levels could allow a leak to remain undetected.

EPA leak detection regulations require testing of the portion of the tank system which routinely contains product.

Franklin Fueling systems 3760 Marsh Road Madison, WI 53718 Tel: (800) 225-9787 to

E-mail: info@franklinfueling.com URL: www.franklinfueling.com Evaluator: Ken Wilcox Associates

Tel: (816) 443-2494 🕼

Date of Evaluation: 02/07/1991



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Issue Date: November 22, 1995 Revision Date: April 6, 2010

Franklin Fueling Systems (originally listed as EBW, Inc.)

AutoStik II, AutoStik Jr. (Magnetostrictive Probe)

AUTOMATIC TANK GAUGING METHOD

As of April 1, 2009, Franklin Fueling systems no longer manufactures this method.

Certification Applies only to AutoStik II and AutoStik Jr. models sold before March 1, 2004.

Leak rate of 0.2 gph with PD = 99.9% and PFA = 0.1%. Leak rate of 0.1 gph with PD = 98.3% and PFA = 1.7%.

Leak 0.1 gph for leak rate of 0.2 gph.
Threshold 0.05 gph for leak rate of 0.1 gph.

A tank system should not be declared tight if the test result indicates a loss or gain that equals or exceeds this threshold.

Applicability Gasoline, diesel, aviation fuel, fuel oil #4.

Tank Capacity Maximum of 15,000 gallons.

Tank must be between 50 and 95% full.

Waiting Time Minimum of 6 hours between delivery and testing.

Minimum of 6 hours between dispensing and testing for leak of 0.2 gph. Minimum of 2 hours between dispensing and testing for leak of 0.1 gph. There must be no delivery during waiting time for leak of 0.2 gph.

There must be no dispensing or delivery during waiting time for leak of 0.1 gph.

Test Period Minimum of 4 hours.

Test data are acquired and recorded by system's computer. Leak rate is calculated from average of subsets of all data collected.

There must be no dispensing or delivery during test.

Temperature Average for product is determined by a minimum of 5 thermistors.

Water Sensor Must be used to detect water ingress.

Minimum detectable water level in the tank is 0.49 inch. Minimum detectable water level change is 0.0052 inch.

Calibration : Thermistors and probe must be checked and, if necessary, calibrated in accordance with manufacturer's instructions.

Comments Not evaluated using manifolded tank systems. Therefore, this certification is only applicable when there is a probe used in each

tank and the siphon is broken during testing. Tests only portion of tank containing product.

As product level is lowered, leak rate in a leaking tank decreases (due to lower head pressure).

Consistent testing at low levels could allow a leak to remain undetected.

EPA leak detection regulations require testing of the portion of the tank system which routinely contains product.

AutoStik Jr. is used with up to 4 magnetostrictive probes and can handle up to 8 input sensors. AutoStik II is used with up to 16 magnetostrictive probes and can handle up to 64 input sensors.

Franklin Fueling systems 3760 Marsh Road Madison, WI 53718 Tel: (800) 225-9787

E-mail: info@franklinfueling.com URL: www.franklinfueling.com Evaluator: Ken Wilcox Associates

Tel: (816) 443-2494 © Date of Evaluation: 08/20/93



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Issue Date: July 27, 2004 Revision Date: April 6, 2010

Franklin Fueling Systems (originally listed as EBW, Inc.)

AutoStik II, AutoStik Jr. (Magnetostrictive Probe)

AUTOMATIC TANK GAUGING METHOD

As of April 1, 2009, Franklin Fueling systems no longer manufactures this method.

Certification Applies only to AutoStik II and AutoStik Jr. models sold March 1, 2004 to April 1, 2009.

Leak rate of 0.2 gph with PD = 99.9% and PFA = 0.1%. Leak rate of 0.1 gph with PD = 99.9% and PFA = 0.1%.

Leak 0.1 gph for leak rate of 0.2 gph.

Threshold 0.05 gph for leak rate of 0.1 gph.

A tank system should not be declared tight if the test result indicates a loss or gain that equals or exceeds this threshold.

Applicability Gasoline, diesel, aviation fuel, fuel oil #4.

Tank Capacity Maximum of 15,000 gallons.

Tanks less than 95% full may be tested.

Minimum product level required based on tank diameter is as follows:

48" dia/min 12"; 64" dia/min 14"; 72"dia/min 15"; 96" dia/min 17.5"; 126"dia/min 21.5".

For other tank diameters, see evaluation report.

Waiting Time Minimum of 6 hours 1 minute between delivery and testing for leak rate of 0.2 gph.

Minimum of 5 hours 18 minutes between delivery and testing for leak rate of 0.1 gph.

None between dispensing and testing.

There must be no delivery during waiting time

Test Period Length of the test is determined automatically based on quality of test data.

Average data collection time during evaluation was 5 hours 10 minutes for leak rate of 0.2 gph. Average data collection time during evaluation was 5 hours 44 minutes for leak rate of 0.1 gph.

Test data are acquired and recorded by a microprocessor.

Leak rate is calculated from data determined to be valid by statistical analysis.

There must be no dispensing or delivery during the test.

Temperature Probe contains 5 thermistors to monitor product temperature.

At least one thermistor must be submerged in product during testing.

Water Sensor Must be used to detect water ingress.

Minimum detectable water level in the tank is 0.208 inch. Minimum detectable water level change is 0.011 inch.

Calibration Thermistors and probe must be checked and, if necessary, calibrated in accordance with manufacturer's instructions.

Comments Not evaluated using manifolded tank systems. Therefore, this certification is only applicable when there is a probe used in each tank and

the siphon is broken during testing.

Tests only portion of tank containing product.

As product level is lowered, leak rate in a leaking tank decreases (due to lower head pressure).

Consistent testing at low levels could allow a leak to remain undetected.

EPA leak detection regulations require testing of the portion of the tank system which routinely contains product.

AutoStik Jr. can support up to 4 tanks. AutoStik II can support up to 8 tanks.

Franklin Fueling Systems 3760 Marsh Road Madison, WI 53718 Tel: (800) 225-9787

E-mail: info@franklinfueling.com URL: www.franklinfueling.com Evaluator: Ken Wilcox Associates

Tel: (816) 443-2494 🕼

Dates of Evaluation: 08/05/92, 09/05/97, 08/21/02



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Issue Date: July 27, 2004 Revision Date: April 6, 2010

Franklin Fueling Systems (originally listed as EBW, Inc.)

AutoStik II, AutoStik Jr. (INCON, EBW LL2 Magnetostrictive Probe)

AUTOMATIC TANK GAUGING METHOD

As of April 1, 2009, Franklin Fueling systems no longer manufactures this method.

Certification Applies only to AutoStik II and AutoStik Jr. models sold March 1, 2004 to April 1, 2009.

Leak rate of 0.2 gph with PD = 95.7% and PFA = 4.3%.

Leak 0.1 gph.

Threshold A tank system should not be declared tight if the test result indicates a loss or gain that equals or exceeds this threshold.

Applicability Gasoline, diesel, aviation fuel, fuel oil #4.

Tank Capacity Maximum of 30,000 gallons.

Tanks less than 95% full may be tested.

Minimum product level required based on tank diameter as follows:

48" dia/min 12"; 64" dia/min 14"; 72"dia/min 15"; 96" dia/min 17.5"; 126"dia/min 21.5".

For other diameters, see evaluation report.

Waiting Time Minimum of 4 hours 9 minute between delivery and testing.

Minimum of 2 hours between dispensing and testing. There must be no delivery during waiting time.

Test Period The length of the test is determined automatically based on quality of test data.

Average data collection time during the evaluation was 6 hours, 51 minutes.

Test data is acquired and recorded by system's computer.

Leak rate is calculated from data determined to be valid by statistical analysis.

There must be no dispensing or delivery during the test.

Temperature Probe contains 5 thermistors to monitor product temperature.

At least one thermistor must be submerged in product during testing.

Water Sensor Must be used to detect water ingress.

Minimum detectable water level in the tank is 0.208 inches. Minimum detectable water level change is 0.011 inch.

Calibration Thermistors and probe must be checked and, if necessary, calibrated in accordance with manufacturer's instructions.

Comments Not evaluated using manifolded tank systems. Therefore, this certification is only applicable when there is a probe used in each tank

and the siphon is broken during testing.

This equipment was not evaluated using manifolded tanks. Tests only the portion of the tank containing product.

As product level is lowered, the leak rate in a leaking tank decreases (due to lower head pressure).

Consistent testing at low levels could allow a leak to remain undetected.

EPA leak detection regulations require testing of the portion of the tank system which routinely contains product.

AutoStik Jr. can support up to 4 tanks. AutoStik II can support up to 8 tanks.

Franklin Fueling Systems 3760 Marsh Road Madison, WI 53718 Tel: (800) 225-9787

E-mail: info@franklinfueling.com URL: www.franklinfueling.com Evaluator: Ken Wilcox Associates

Tel: (816) 443-2494 🕼

Dates of Evaluation: 05/14/98, 08/21/02



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Issue Date: July 27, 2004 Revision Date: June 8, 2005

EBW, Inc.

AutoStik II, AutoStik Jr., with SCALD 2.0 (INCON TSP-LL2 Magnetostrictive Probe)

CONTINUOUS IN-TANK LEAK DETECTION METHOD (Continuous Automatic Tank Gauging)

Certification Applies only to EBW, Inc. AutoStik II and AutoStik Jr., with SCALD 2.0 models sold on or after March 1, 2004.

Leak rate of 0.2 gph with PD > 99% and PFA < 1%.

Leak 0.10 gph for single and manifolded tank systems.

Threshold A tank system should not be declared tight and a message printed for the operator, if the test results indicate a loss or

gain that exceeds this threshold.

Applicability Gasoline, diesel, aviation fuel, fuel oil #4.

Tank Capacity Maximum of 49,336 gallons for single tanks and for all tanks manifolded together.

Tank must be between 14 and 93.5% full.

Contact manufacturer for tank system applications if total tank capacity exceeds 30,000 gallons.

Throughput Monthly maximum of 257,818 gallons.

Waiting Time None between delivery and data collection when difference between product in tank and product delivered is 6.0

degrees F or less.

Test Period Data collection time ranges from 5 to 28 days. Data sampling frequency is > 1 per second.

System collects data at naturally occurring product levels without interfering with normal tank operation, and discards

data from unstable periods when system performs test.

Temperature — Average for product is determined by a minimum of 5 thermistors.

Water Sensor Must be used to detect water ingress.

Minimum detectable water level in the tank is 0.208 inch. Minimum detectable change in water level is 0.011 inch.

Calibration Thermistors and probe must be checked and, if necessary, calibrated in accordance with manufacturer's instructions.

Comments System reports a result of "pass" or "fail".

Evaluated using both single and manifolded tank systems with probes in each tank.

Tests only the portion of the tank containing product.

As product level is lowered, the leak rate in a leaking tank decreases (due to lower head pressure).

Consistent testing at low levels could allow a leak to remain undetected.

EPA leak detection regulations require testing of the portion of the tank system which routinely contains product.

AutoStik Jr. can support up to 4 tanks. AutoStik II can support up to 8 tanks.

The database for evaluation of the system includes sites with vapor recovery and blending dispensers.

EBW, Inc. 3760 Marsh Road Madison, WI 53718 Tel: (800) 225-9787 (**)

E-mail: info@franklinfueling.com

URL: www.ebw.com

Evaluator: Ken Wilcox Associates

Tel: (816) 443-2494 😜

Date of Evaluation: 07/11/2003



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